

**WEST 1.0**[Help](#)[Main Menu](#) [Search Form](#) [Posting Counts](#) [Show WS Numbers](#) [Edit WS Numbers](#)

Search Results - Record(s) 1 through 1 of 1 returned.

1.

Document ID: DE 2907106 A BR  
8001015 A CA 1125265 A DE  
2907106 C FR 2449475 A GB  
2048101 A GB 2048101 B IT  
1133053 B JP 55157327 A JP  
84045416 B SE 8001370 A SU  
1170958 A US 4294726 A,

Relevance Rank: 99

Entry 1 of 1

File:DERWENT

June 7, 1999

DERWENT-ACC-NO: 1980-64302C

DERWENT-WEEK: 198037

COPYRIGHT 1998 DERWENT INFORMATION LTD

## TITLE:

Three=way catalyst for engine exhaust gas purificn. - has alumina support  
impregnated with platinum, rhodium, opt. base metal, cerium, zirconium and  
iron oxide cpds.

INVENTOR:BOZON, A; KOBERSTEIN, E ; PLETKA, H D

PATENT-ASSIGNEE: DEUT GOLD &amp; SILBER AG(DEGS)

PRIORITY-DATA: 1979DE-2907106 (February 23, 1979)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 2907106 A	September 4, 1980	N/A	000	N/A
BR 8001015 A	October 29, 1980	N/A	000	N/A
CA 1125265 A	June 8, 1982	N/A	000	N/A
<u>DE 2907106 C</u>	December 19, 1985	N/A	000	N/A
<u>FR 2449475 A</u>	October 24, 1980	N/A	000	N/A
GB 2048101 A	December 9, 1980	N/A	000	N/A
GB 2048101 B	April 20, 1983	N/A	000	N/A
IT 1133053 B	July 9, 1986	N/A	000	N/A
JP 55157327 A	December 7, 1980	N/A	000	N/A
JP 84045416 B	November 6, 1984	N/A	000	N/A
SE 8001370 A	December 7, 1980	N/A	000	N/A
SU 1170958 A	July 30, 1985	N/A	000	N/A
US 4294726 A	October 13, 1981	N/A	000	N/A

IPC: B01D053/36; B01J021/00 ; B01J023/86 ; B01J025/36 ; B01J037/02 ;  
F01N003/15 ; F02B005/02

ABSTRACTED-PUB-NO:DE 2907106A

BASIC-ABSTRACT:Catalysts for the simultaneous oxidn. of CO and hydrocarbons and redn. of N oxides in i.c. engine exhaust gases, contains 0.03-3 (wt.)% active phase of Pt, Rh and opt. Al, Ti, Sn, Cr, Mn, Co and/or Ni with a Pt/Rh wt. ratio of 2-20:1 and a Pt gp. metal/base metal atomic ratio of 1:6 to 2:1 (1:4-1), 5-15 (10)% mixt. of CeO<sub>2</sub> and ZrO<sub>2</sub> in 20-80:80-20 wt. ratio, 1-10 (2-6)% Fe<sub>2</sub>O<sub>3</sub> and the rest Al<sub>2</sub>O<sub>3</sub> of the transition series. In the prodn. of the catalyst, a support of Al<sub>2</sub>O<sub>3</sub> of the transition series, opt. lattice-stabilised with alkaline earth metal, is impregnated with an aq. soln. of Ce, Zr and Fe salt or mixed with their oxides and then tempered 30-180 min. in air at 500-700 degrees C. The support is then impregnated with an aq. soln. of a salt of Pt, Rh and opt. base metal(s), dried and treated with a gas stream contg. H<sub>2</sub> at 250-650 (450-550) degrees C. The desired shift of the operating point for optimum control with a lambda probe is obtd.

TITLE-TERMS:

THREE-WAY CATALYST ENGINE EXHAUST GAS PURIFICATION ALUMINA SUPPORT  
IMPREGNATE PLATINUM RHODIUM OPTION BASE METAL CERIUM ZIRCONIUM IRON OXIDE  
COMPOUND

ADDL-INDEXING-TERMS:

PLATINUM@ CERIUM@ ZIRCONIUM@

DERWENT-CLASS: H06 Q51 Q52

CPI-CODES: H06-C03; N01; N02; N03;

Full	Citation	Review	Classification	Date	Reference
------	----------	--------	----------------	------	-----------

Term	Documents
de-2907106-c.did	1

Display Documents

Starting At: 1

Display Format:

Change Format

Main Menu Search Form Posting Counts Show WS Numbers Edit WS Numbers

Help

**WEST 1.0**[Help](#)[Main Menu](#) [Search Form](#) [Posting Counts](#) [Show WS Numbers](#) [Edit WS Numbers](#)**Search Results - Record(s) 1 through 1 of 1 returned.**

1. Document ID: ES 2122096 T3 DE  
4326121 A1 EP 638349 A1 DE  
4326121 C2 BR 9403149 A EP  
638349 B1 DE 59406717 G,

Relevance Rank: 99

Entry 1 of 1 File:DERWENT June 7, 1999

DERWENT-ACC-NO: 1995-075684

DERWENT-WEEK: 199906

COPYRIGHT 1998 DERWENT INFORMATION LTD

## TITLE:

Protecting exhaust gas catalysts from poisons - using a heat-resistant zeolite adsorbent

INVENTOR:ENGLER, B; LINDNER, D ; LOX, E ; OSTGATHE, K

PATENT-ASSIGNEE: DEGUSSA AG[DEGS]

PRIORITY-DATA: 1993DE-4326121 (August 4, 1993)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
ES 2122096 T3	December 16, 1998	N/A	000	B01D 053/04
<u>DE 4326121 A1</u>	February 9, 1995	N/A	003	B01D 053/94
EP 638349 A1	February 15, 1995	G	000	B01D 053/04
<u>DE 4326121 C2</u>	May 4, 1995	N/A	003	B01D 053/94
BR 9403149 A	December 17, 1996	N/A	000	B01D 053/36
EP 638349 B1	August 19, 1998	G	000	B01D 053/04
DE 59406717 G	September 24, 1998	N/A	000	B01D 053/04

DESIGNATED-STATES: DE ES FR GB IT DE ES FR GB IT

CITED-DOCUMENTS: 1.Jnl.Ref; DE 3719138 ; DE 3842282 ; EP 149966 ; EP 161743 ; EP 439010 ; FR 2376698 ; JP02149715

## APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
ES 2122096T3	N/A	1994EP-0110065	June 29, 1994
ES 2122096T3	Based on	EP 638349	N/A
DE 4326121A1	N/A	1993DE-4326121	August 4, 1993
EP 638349A1	N/A	1994EP-0110065	June 29, 1994

DE 4326121C2	N/A	1993DE-4326121	August 4, 1993
BR 9403149A	N/A	1994BR-0003149	August 3, 1994
EP 638349B1	N/A	1994EP-0110065	June 29, 1994
DE59406717G	N/A	1994DE-0506717	June 29, 1994
DE59406717G	N/A	1994EP-0110065	June 29, 1994
DE59406717G	Based on	EP 638349	N/A

IPC: B01D053/04; B01D053/36 ; B01D053/94 ; F01N003/28

ABSTRACTED-PUB-NO:DE 4326121A

BASIC-ABSTRACT:Catalysts for IC engine exhaust gas purificn. are protected from catalyst poisons using an adsorbent comprising one or more heat-resistant zeolites.

ABSTRACTED-PUB-NO:DE 4326121C

EQUIVALENT-ABSTRACT:Protection of catalysts used for the removal of hazardous pollutants from motor exhaust systems comprises insertion of a thermally stable zeolite adsorbent, opt. doped with active metals and/or dispersed with alumina/silica carriers, on the high temp. side of the catalyst system. USE/ADVANTAGE - The zeolite adsorbs exhaust components that tend to poison the catalysts. The process improves the catalyst lifetime and facilitates the removal of hazardous pollutants. Catalysts for IC engine exhaust gas purificn. are protected from catalyst poisons using an adsorbent comprising one or more heat-resistant zeolites.

CHOSEN-DRAWING:Dwg.0/0 Dwg.0/0

TITLE-TERMS:

PROTECT EXHAUST GAS CATALYST POISON HEAT RESISTANCE ZEOLITE ADSORB

DERWENT-CLASS: H06 J04 Q51

CPI-CODES: H06-C03; J04-E04; N06-D;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

A100 A111 A119 A313 A426 A429 A950 B114 B701 B712

B720 B831 C101 C108 M411 M730 M903 Q421

UNLINKED-DERWENT-REGISTRY-NUMBERS:

1784U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers:C1995-033684

Full	Citation	Review	Classification	Date	Reference
------	----------	--------	----------------	------	-----------

Term	Documents
de-4326121-\$.did.	1

Display Documents

Starting At: 1